REMARKS

The amendments to the claims have been made to place the claims in conformance with U.S. patent practice. These amendments are not in derogation of any prior art, and Applicant respectfully asserts that it is entitled to the claims as amended and any equivalents thereof.

Respectfully submitted,

By Transport

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VERSION MARKED TO SHOW CHANGES

IN THE CLAIMS:

Claims 1-11 have been amended as follows:

1. (Once Amended) A substituted triazine Compounds of the general fFormula (I)

$$\begin{array}{c|c}
R^3 \\
N \\
N \\
N \\
N \\
R^2
\end{array}$$
(I),

in which

- R¹ represents hydrogen or represents optionally substituted alkyl,
- R² represents hydrogen, represents formyl or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxycarbonyl or alkylaminocarbonyl,

or the grouping $N(R^1R^2)$ also represents dialkylaminoalkylideneamino,

- R³ represents hydrogen, represents halogen, represents optionally substituted alkyl, represents in each case optionally substituted alkylcarbonyl, alkoxycarbonyl, alkoxy, alkylthio, alkylsulphinyl or alkylsulphonyl, represents in each case optionally substituted alkenyl or alkinyl, or represents optionally substituted cycloalkyl, and
- Z represents one of the thienocycloalk(en)yl groupings below

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$$(R^5)_n$$
 A^1
 A^2
 A^3
 $(R^4)_m$
 A^3
 (Z^1)
 (Z^2)

in which

m represents the numbers 0, 1, 2, 3 or 4,

n represents the numbers 0, 1 or 2,

A¹ represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene),

A² represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene),

A³ represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene),

- with the proviso that at least one of the groupings A^1 , A^2 , A^3 represents alkanediyl and that two adjacent groups do not simultaneously represent S or O -

R⁴ represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, or represents in each case optionally substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino, alkylsulphonylamino, alkenyl, alkinyl, alkenylcarbonyl, alkinylcarbonyl, aryl, arylcarbonyl or arylalkyl, and

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- R⁵ represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, or represents in each case optionally substituted alkyl, alkyl-carbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxycarbonylamino, alkylsulphonylamino, alkenyl, alkinyl, alkenylcarbonyl, alkinylcarbonyl, aryl, arylcarbonyl or arylalkyl.
- 2. (Once Amended) <u>The Ccompounds according to Claim 1, characterized in that wherein</u>
 - m represents the numbers 0, 1 or 2,
 - A¹ represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene) having 1 to 3 carbon atoms,
 - A² represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene) having 1 to 3 carbon atoms,
 - A³ represents O (oxygen), S (sulphur), -CO-, -CS- or alkanediyl (alkylene) having 1 to 3 carbon atoms,
 - with the proviso that at least one of the groupings A^1 , A^2 , A^3 represents alkanediyl having 1 to 3 carbon atoms and that two adjacent groups do not simultaneously represent S or O -
 - R¹ represents hydrogen or represents optionally cyano-, halogen- or C₁-C₄-alkoxy-substituted alkyl having 1 to 6 carbon atoms,
 - R² represents hydrogen, represents formyl or represents in each case optionally cyano-, halogen- or C₁-C₄-alkoxy-substituted alkyl, alkylcarbonyl, alkoxy-carbonyl or alkylaminocarbonyl having in each case 1 to 6 carbon atoms in the alkyl groups, or

the grouping N(R¹R²) represents dialkylaminoalkylideneamino having in each case up to 4 carbon atoms in the alkyl groups or alkylidene groups,

- R³ represents hydrogen, represents halogen, represents optionally cyano-, halogen-, hydroxyl-, C₁-C₄-alkoxy- or C₁-C₄-alkylthio-substituted alkyl having 1 to 6 carbon atoms, represents in each case optionally cyano-, halogen- or C₁-C₄-alkoxy-substituted alkylcarbonyl, alkoxycarbonyl, alkoxy, alkylthio, alkylsulphinyl or alkylsulphonyl having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally halogen-substituted-alkenyl-or-alkinyl-having-in-each case 2 to 6 carbon atoms, or represents optionally cyano-, halogen- or C₁-C₄-alkyl-substituted cycloalkyl having 3 to 6 carbon atoms,
- represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, represents in each case optionally cyano-, halogen- or C₁-C₄-alkoxy-substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylsulphonylamino, dialkylamino, alkylcarbonylamino, alkoxy-carbonylamino or alkylsulphonylamino having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally cyano- or halogen-substituted alkenyl, alkinyl, alkenylcarbonyl or alkinylcarbonyl having in each case 2 to 6 carbon atoms in the alkenyl or alkinyl groups, or represents in each case optionally nitro-, cyano-, halogen-, C₁-C₄-alkyl-, C₁-C₄-halogenoalkyl-, C₁-C₄-alkoxy-, C₁-C₄-halogenoalkoxy- or C₁-C₄-alkoxy-carbonyl-substituted aryl, arylcarbonyl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety, and
- represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, halogen, represents in each case optionally cyano-, halogen- or C₁-C₄-alkoxy-substituted alkyl, alkylcarbonyl, alkoxy, alkoxycarbonyl, alkylthio, alkylsulphinyl, alkylsulphonyl, alkylamino, dialkylamino, alkylcarbonylamino, alkoxy-

carbonylamino or alkylsulphonylamino having in each case 1 to 6 carbon atoms in the alkyl groups, represents in each case optionally cyano- or halogen-substituted alkenyl, alkinyl, alkenylcarbonyl or alkinylcarbonyl having in each case 2 to 6 carbon atoms in the alkenyl or alkinyl groups, or represents in each case optionally nitro-, cyano-, halogen-, C_1 - C_4 -alkyl-, C_1 - C_4 -halogenoalkyl-, C_1 - C_4 -alkoxy-, C_1 - C_4 -halogenoalkoxy- or C_1 - C_4 -alkoxy-carbonyl substituted aryl, arylcarbonyl or arylalkyl having in each case 6 or 10 carbon atoms in the aryl group and optionally 1 to 4 carbon atoms in the alkyl moiety.

- 3. (Once Amended) <u>The Grompounds according to Claim 1 or 2, characterized in that wherein</u>
- A¹ represents O (oxygen), S (sulphur), -CO-, -CS-, methylene, dimethylene or trimethylene,
- A² represents O (oxygen), S (sulphur), -CO-, -CS-, methylene, dimethylene or trimethylene,
- A³ represents O (oxygen), S (sulphur), -CO-, -CS-, methylene, dimethylene or trimethylene,
 - with the proviso that at least one of the groupings A^1 , A^2 , A^3 represents methylene, dimethylene or trimethylene and that two adjacent groups do not simultaneously represent S or O -
- R¹ represents hydrogen or represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl,
- R² represents hydrogen, represents formyl or represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, nor i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxy-

carbonyl, n- or i-propoxycarbonyl, methylaminocarbonyl, ethylaminocarbonyl, n- or i-propylaminocarbonyl, or

the grouping N(R¹R²) represents dimethylaminomethyleneamino or diethylaminomethyleneamino,

R³ represents hydrogen, represents fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, bromine-, hydroxyl-, methoxy-, ethoxy-, n- or i-propoxy-, methylthio-, ethylthio-, n- or i-propylthio-substituted methyl, ethyl, n- or i-propyl, n-, i- or s-butyl, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy- substituted acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, represents in each case optionally fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl or butinyl, or represents in each case optionally cyano-, fluorine-, chlorine-, methyl- or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl,

represents amino, cyano, carbamoyl, thiocarbamoyl, formyl, fluorine, chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxy-carbonyl, n- or i-propoxycarbonyl, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, , methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetylamino, propionylamino, n- or i-butyroylamino, methoxycarbonylamino, ethoxycarbonylamino, n- or i-propoxycarbonylamino, methylsulphonylamino, ethylsulphonylamino, n- or i-propylsulphonylamino, represents in each case optionally cyano-, fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl,

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butinyl, ethenylcarbonyl, propenylcarbonyl, butenylcarbonyl, ethinylcarbonyl, propinylcarbonyl or butinylcarbonyl, or represents in each case optionally nitro-, cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, n-, i-, s- or t-butyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy-, trifluoromethoxy-, methoxycarbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted phenyl, benzoyl or benzyl, and

- represents nitro, amino, cyano, carbamoyl, thiocarbamoyl, formyl, fluorine, R^5 chlorine, bromine, represents in each case optionally cyano-, fluorine-, chlorine-, methoxy- or ethoxy-substituted methyl, ethyl, n- or i-propyl, acetyl, propionyl, n- or i-butyroyl, methoxy, ethoxy, n- or i-propoxy, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, methylthio, ethylthio, n- or i-propylthio, methylsulphinyl, ethylsulphinyl, n- or i-propylsulphinyl, methylsulphonyl, ethylsulphonyl, n- or i-propylsulphonyl, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetylamino, propionylamino, n- or i-butyroylamino, methoxycarbonylamino, ethoxycarbonylamino, n- or i-propoxycarbonylamino, methylsulphonylamino, ethylsulphonylamino, n- or i-propylsulphonylamino, represents in each case optionally cyano-, fluorine-, chlorine- or bromine-substituted ethenyl, propenyl, butenyl, ethinyl, propinyl, butinyl, ethenylcarbonyl, propenylcarbonyl, butenylcarbonyl, ethinylcarbonyl, propinylcarbonyl or butinylcarbonyl, or represents in each case optionally nitro-, cyano-, fluorine-, chlorine-, bromine-, methyl-, ethyl-, n- or i-propyl-, n-, i-, s- or t-butyl-, trifluoromethyl-, methoxy-, ethoxy-, n- or i-propoxy-, difluoromethoxy-, trifluoromethoxy-, methoxycarbonyl-, ethoxycarbonyl-, n- or i-propoxycarbonyl-substituted phenyl, benzoyl or benzyl.
- 4. (Once Amended) <u>The Ccompounds according to any of Claims 1 to 3, characterized in that wherein</u>
- A¹ represents methylene or dimethylene,
- A² represents methylene or dimethylene,

- A³ represents methylene or dimethylene,
- R¹ represents hydrogen,
- R² represents hydrogen, represents formyl or represents in each case optionally fluorine-, chlorine-, methoxy- or ethoxy-substituted acetyl, propionyl, n- or i-butyroyl, methoxycarbonyl, ethoxycarbonyl, n- or i-propoxycarbonyl, or

the grouping N(R¹R²) represents dimethylaminomethyleneamino,

- R³ represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, n- or i-propyl,
- R⁴ represents cyano, fluorine, chlorine, bromine, or represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, methoxy or ethoxy, and
- R⁵ represents nitro, cyano, fluorine, chlorine, bromine, or represents in each case optionally fluorine- or chlorine-substituted methyl, ethyl, methoxy or ethoxy.
- 5. (Once Amended) <u>The Ccompounds according to any of claims Claim</u> 1 to 4, characterized in that wherein
- Z represents

 $(R^5)_n$ $(R^4)_m$

where

p represents 2, 3 or 4, and n, m, R⁴ and R⁵ are as defined in any of Claims 1 to 4.

6. (Once Amended) A Pprocess for preparing the substituted triazines according to the Formula (I) of any of Claims 1 to 5, characterized in that wherein biguanides of the general fFormula (II)

$$Z \xrightarrow[H]{N} \xrightarrow[N]{N} R^{1}$$

$$Z \xrightarrow[H]{N} \xrightarrow[H]{N} R^{2}$$
(II),

in which

R¹, R² and Z are as defined in any of Claims 1 to 5,

and/or acid adducts of compounds of the general fFormula (II)

are reacted with alkoxycarbonyl compounds of the general fFormula (III)

in which

R³ is as defined in any of Claims 1 to 4 and

R' represents alkyl,

if appropriate optionally in the presence of a reaction auxiliary and if appropriate optionally in the presence of a diluent, and, if appropriate, further conversions within the scope of the definition of the substituents are carried out by customary methods on the resulting compounds of the general formula (I).

7. (Once Amended) A Compounds of the Formula (II)

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$$Z \xrightarrow[H]{H} X \xrightarrow[N]{R} X \qquad (II),$$

$$Z \xrightarrow[H]{N} X \xrightarrow[N]{R} X \qquad (II),$$

characterized in that and acid adducts thereof, wherein

 R^1 , R^2 and Z are as defined in any of Claims 1. to 5,

and the acid adducts of the compounds of the general formula (II).

8. (Once Amended) A Pprocess for preparing the compounds of the Formula (II) according to Claim 7, characterized in that wherein an amino compounds of the general fFormula (IV)

$$Z-NH_2$$
 (IV)

in which

Z is as defined in any of Claims 1 to 5,

and/or acid adducts of said compounds of the general fFormula (IV)

are reacted with a cyanoguanidine of the Formula (V)

if appropriate optionally in the presence of a reaction auxiliary and if appropriate optionally in the presence of a diluent at temperatures between 100°C and 200°C.

- 9. (Once Amended) A Mmethod for controlling undesirable vegetation, characterized in that comprising the step of allowing an effective amount of the at least one compound according to any of Claims 1 to 5 is allowed to act on said undesirable plants vegetation and/or their its habitats.
- 10. (Once Amended) A method for controlling undesirable plants comprising the step of allowing an effective amount of Use of at least one a compound according to any of Claims 1 to 5 for controlling undesirable plants to act on said undesirable plants and/or their habitat.
- 11. (Once Amended) An Hherbicidal composition, characterized in that it comprises comprising a compound according to any of Claims 1 to 5 and customary a member selected from the group consisting of an extenders and/or, a surfactants, and combinations thereof.